

REMARKS

This response is offered in reply to the Office Action of January 18, 2006. A petition and fee for a two (2) month time extension are enclosed

Applicants have amended page 7, lines 1-9 to update the status of the copending application of common inventorship and filing date referred to there. Lines 1-9 of page 7 were previously amended by Response dated May 20, 2003, to insert the serial number.

On page 2 of the office action, claims 1 and 3-27 are rejected under 35 USC 102(a) as anticipated by the Ibegazene et al reference.

Applicant has amended independent claims 1, 7, 15, 20, and 24 in a manner believed to distinguish over the cited reference, which discloses a thermal barrier coating air plasma sprayed onto a substrate such that the thermal barrier coating of the reference comprises fine equiaxed grains.

Air plasma sprayed thermal barrier coatings are described at page 2, first full paragraph of Applicant's specification.

Applicant's pending claims now recite that at least a portion of the thermal barrier coating comprises columnar grains and comprises the composition recited in the claims to reduce thermal conductivity of at least the portion of the thermal barrier coating. Thermal barrier coatings comprising columnar grains are described on page 7, last paragraph of Applicant's specification.

The cited reference makes no disclosure whatsoever of reducing thermal conductivity of at least a portion of a thermal barrier coating comprising columnar grains.


Reconsideration of the rejection of claims 1 and 3-27 is requested.

Applicant's enclose a Supplemental IDS listing US Patent 6,689,487 referred to above.

USSN 10/024 518

Allowance of the pending claims is requested.

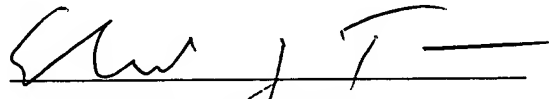
Respectfully submitted,


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enclosure: Supplemental IDS and Postal card

CERTIFICATE OF MAILING

I hereby certify that this correspondence and enclosures are being deposited with the United States Postal Service as first class mail in an envelope addressed to: Commissioner for Patents
P.O. Box 1450, Alexandria, VA 22313-1450, on June 16, 2006.


Edward J. Timmer